

REMARKS

This application has been carefully reviewed in light of the Office Action mailed September 20, 2004. Claims 1-13 and 16-24 are pending in the Application. Claims 1-11 have been withdrawn from consideration. Claims 19-24 stand rejected and Claims 12-13 and 16-18 have been allowed. Claim 19 has been amended. Applicant respectfully requests reconsideration and favorable action of all pending claims in view of the following remarks.

Section 103 Rejections

The Office Action rejects Claims 19-20 and 24 under 35 U.S.C. § 103(a) as being unpatentable by U.S. Patent 3,621,465 to Beaty ("*Beaty*") in view of U.S. Patent 4,985,621 to Aull, et al. ("*Aull*") and Claims 22-23 under 35 U.S.C. § 103(a) as being unpatentable by *Beaty* in view of *Aull*, and further in view of U.S. Patent 4,398,283 to Pottier ("*Pottier*"). Applicant respectfully traverses.

Claim 19, as amended, recites "detecting the strength of the input signal based on an average amount of power consumed by the oscillator," which is not shown by the cited references. The Office Action relies primarily on *Beaty* in rejecting a previous version of this claim, but *Beaty* does not show this limitation. *Beaty* is concerned with providing a super-regenerative amplifier/oscillator, but does not disclose a method for detecting the strength of a signal based on the average amount of power consumed by the oscillator. There is no disclosure in *Beaty* that the strength of the input signal to the super-generative amplifier/oscillator may be detected based on an average amount of power consumed by the oscillator. This is the case because *Beaty* is not concerned with detecting the strength of the input signal in this manner, but rather in amplifying the input signal by the super-regenerative amplifier/oscillator, as summarized in the abstract of *Beaty*.

The Office Action states that, in *Beaty*, because the detected signal strength output depends on the quench pulse width and since the quench pulse width varies the duty cycle of the oscillator, it is clear that the duty cycle of the oscillator would vary with the signal strength of the input signal as claimed. Regardless of whether this is correct, and regardless of whether one could detect the strength of an input signal in *Beaty* based on the average amount of power consumed by the oscillator in *Beaty*, ***Beaty* does not disclose** detecting the strength of the input signal based on an average amount of power consumed by the oscillator. *Aull* also does not disclose this teaching.

For at least this reason, Claim 19 and the claims depending therefrom are allowable.
Reconsideration and favorable action are requested.

Allowable Subject Matter

Applicant thanks the Examiner for allowing Claims 12-13 and 16-18.

CONCLUSION

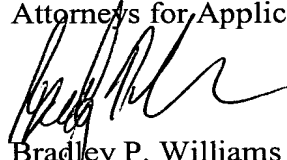
Applicant has now made an earnest attempt to place this case in condition for immediate allowance. For the foregoing reasons and for other apparent reasons, Applicant respectfully requests allowance of all pending claims.

If the Examiner feels that prosecution of the present Application may be advanced in any way by a telephone conference, the Examiner is invited to contact the undersigned attorney at 214-953-6447.

Applicant does not believe that any fees are due. However, the Commissioner is hereby authorized to charge any required fees and credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.
Attorneys for Applicant



Bradley P. Williams
Reg. No. 40, 227

Date: December 20, 2004

Customer Number: **45,507**